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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 7-2005)  |  | ATTORNEY'S DOCKET NUMBER<br>PU0345   |  |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>to be assigned <b>10/558091</b> |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/005524   | INTERNATIONAL FILING DATE<br>21 May 2004 | PRIORITY DATE CLAIMED<br>23 May 2003   |  |
| TITLE OF INVENTION<br><b>CHROMATOGRAPHY COLUMN WITH MOVABLE ADAPTER</b>  |  |  |  |
| APPLICANT(S) FOR DO/EO/US<br><b>PICHL, Ulf</b>   |  |  |  |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV 430343552 US</b></li> </ol> |  |  |  |

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| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><b>10/4558091</b><br><small>to be assigned</small>  | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2004/005524</b> | ATTORNEY'S DOCKET NUMBER<br><b>PU0345</b>                              |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
|---|---|--|---|--|--------------|---------|--|--|-------|--|---|--|-----|--|---------------------------|--|-------|--|---|--|-----|--|--|--|-------|--|---|--|-------|--|---------------------------|--|-------|--|---------------------------------|--|----------|--|---|--|--|--|--------------|--------------|--|------|---------|---------|---|------------|---|--|--|--|--------|--------------|--------------|------|--------------|----------|---|-----------|--------------------|---------|---|------------|---|--|----------------------------|----------|--------------------------------------|--|--|--|--|--|--|--|-------------------|--|--|--|---|--|--|--|-----------------------------|--|--|--|---|--|--|--|------------------------------|--|--|--|--------------|--|----|--|--------------|--|----|--|
| <p>23. Other items or information:</p> <p>copy of this transmittal letter for charging purposes, Certificate of Mailing by Express Mail, copy of the Written Opinion, copy of the Search Report from the Great Britain Patent Office, copy of the non-US references cited on the IDS, clean version of the specification (11pgs) with drawings (7pgs) and an itemized return postcard</p>   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
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| All other situations.....   |   | \$200  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
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| All other situations.....   |   | \$500  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
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| - 100 =   | 0 /50 =   | 0  | x \$250.00                              |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| CLAIMS  | NUMBER FILED  | NUMBER EXTRA   | RATE                                    |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Total claims  | 9 - 20 =  | 0  | x \$50.00                               |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Independent claims  | 1 - 3 =   | 0  | x \$200.00                              |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| MULTIPLE DEPENDENT CLAIMS (if applicable)   |   | <input type="checkbox"/> +   | \$360.00                                |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| <b>SUBTOTAL =</b>   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| <b>TOTAL NATIONAL FEE =</b>   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +   |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| <b>TOTAL FEES ENCLOSED =</b>  |   |  |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Amount to be  |   | \$   |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |
| Amount to be  |   | \$   |   |  |              |         |  |  |       |  |   |  |     |  |                           |  |       |  |   |  |     |  |  |  |       |  |   |  |       |  |                           |  |       |  |                                 |  |          |  |   |  |  |  |              |              |  |      |         |         |   |            |   |  |  |  |        |              |              |      |              |          |   |           |                    |         |   |            |   |  |                            |          |                                      |  |  |  |  |  |  |  |                   |  |  |  |   |  |  |  |                             |  |  |  |   |  |  |  |                              |  |  |  |              |  |    |  |              |  |    |  |

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**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

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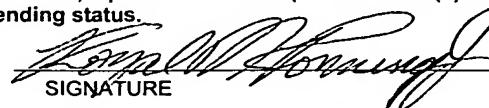
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Applicant(s): U. Pichl

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Application No.  
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22840Group Art Unit  
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Invention: CHROMATOGRAPHY COLUMN WITH MOVABLE ADAPTER

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